## APPLICATION FOR A VARIANCE Form Approved: OMB No. 0910-0021 FROM 21 CFR 1040 11(c) FOR A Expiration Date: December 31, 2006

DEPARTMENT OF HEALTH AND HUMAN SERVI		CENTU40.11(C) FOR		See Page 4 for OMB Statement.  DOCKET NUMBER		
Food and Drug Administration	LASER L	IGHT SHOW, DISPLA OR DEVICE	Υ,			
NOTE: No laser light show, projection system, or de application in accordance with 21 CFR 1010	).4.		r design	or use without the approval of this		
A Charle attached by the color and by the constitution		UCTIONS		and the second s		
Check all applicable boxes and type or print the requested information.     Submit an original and four (4) copies.	^ [	Mail your application to the Dockets Drug Administration, Rm. 1061, 563: Enter docket number if assigned.		ment Branch (HFA-305), Food and Lane, Rockville, MD 20852.		
1. NAME OF COMPANY			-			
Fullhouse Productions L.L.C.				7.1		
2. ADDRESS OF COMPANY (Include ZIP Code)(II	P.O. Box is used, include	ectual street address also.)				
2421 Beaujolais Drive O'Fallon, MO, 63368			-	, 17		
3. NAME AND TITLE OF RESPONSIBLE PERSON		4. TELEPHONE NO. (Include an	es code,	5. DATE OF SUBMISSION		
Matthew E. Bryan Laserist/ Owner		(636) 379-9448		11/04/2005		
6. THE APPLICANT REQUESTS THE VARIANCE general, the Agency will approve a variance for only		**************************************		RS FROM THE DATE OF ISSUE. ched as part of the application.)		
7. a. LIST NAME AND/OR MODEL NUMBER(S) FOR		RIPTION AND USE				
Model1 Laserpro Projector Variance 77P-0		* *	Cambrio	ige 6800 Scanners		
b. PRODUCT FOR WHICH A VARIANCE IS REQU				SED AT ANY ONE LOCATION		
A laser display device	The second	☐ More than 15 days				
A projector for a laser light show		More than 5 but not r	nore the	n 15 days		
A taser light show		Less than 5 days				
Other (Specify)		a. TOUR IS INTENDED TO RE	UN FOR	!		
c. PROJECTORS ARE INTENDED FOR SALE,	LEASE, OR LOAN TO	☐ More than 6 months	<b>-</b> ,,, .,,	,		
OTHER LASER LIGHT SHOW PRODUCERS		1-6 months				
d. PRODUCT IS INTENDED FOR USE IN A		Less than one month				
Planetarium or other dome projection struc	cture	☑ Not applicable (Not a tour)				
☐ Theater		Other (Specify)				
Hotel/motel ballroom or meeting room		h. PRODUCT UTILIZES THE FOLLOWING LASER EFFECTS				
☐ Store displays		Front screen projections  Rear screen projections				
☐ Trade show or convention						
☐ Discotheque or night club		☐ Holographic displays				
☐ Pavilion	•	Multiple reflection/diffraction effects				
☐ Indoor arena		Audience scanning (Also includes scanning any accessible				
Outdoor arena		uncontrolled areas)				
☐ Museum		Reflections from stationary mirrors or mirrored				
Outdoor unenclosed area	<b>.</b>	surfaces (Beam Mali	rices)			
1 Other (Specify) Ally Veaux within	regulation emplane	Stationary irradiation of rotating mirror balls, etc.				
e. PRODUCT IS INTENDED TO BE USED	J	Scanning irradiation of rotating mirror balls, etc.				
At only one (Fixed) location		☑ Fiber optic projection	8			
☐ At a variety of (Tgur) logations			scalleri	ng enhancement effects		
D Other (Specify) MAY Venui Within (	<del></del>		effec	t within segulatory compli		
8. LASER MEDIUM (Ar. He-Ne, etc.)	والمرافقة والمراوي والمنافقة والمهورة والمعاون والمنافي والمراوي والمراوية والمنافر والمراوية	ATION LEVELS NGTHS (nm)		PEAK POWER (watts)		
Argon / Krypton	457-670 nm	25 \	watts			
ND: YAG	532 nm	10 1	vans			
Helium Neon	632.8 nm	50 :	'nW			
9. IF ANY LASER RADIATION IS PULSED OR SCA	NNED, GIVE THE PULS	DURATION AND RATE AND SC	ANNING	FREQUENCY AND AMPLITUDE		
Laser Radiation output can be scanned from	n DC to 2 Khz and can	be modulated in both wavele	ngth an	d intensity up to 100 KHz.		
10. REASON FOR REQUESTING VARIANCE			way to the same of the same			
Compliance with the limits of 21 CFR 1040 limit the output power to the extent that the	0.11(c) would restrict the i e desired effects would no	intended use of the product becau of be sufficiently visible	isė comį	oliance would		
Other or additional explanation (Spacify)_			***************************************			

FORM FDA 3147 (12/03) 7 V G G G

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PREVIOUS EDITION IS OBSOLETE

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-	NNER IN WHICH IT IS PROPOSED TO DEVIATE FROM THE REQUIREMENTS OF THE APPLICABLE STANDARD  It is proposed to deviate from the provisions of 21 CFR 1040.11(c) in that the accessible emission level would exceed the accessible emission limits specified in 21 CFR 1040.11(c).	
	It is proposed to deviate from the provisions of 21 CFR 1040,11(c) as follows:	
_		
	Laser light shows and displays are accepted popular media in entertainment and the arts. Use of power levels in excess of the limits imposed by 21 CFR 1040.11(c) is necessary to achieve the required effects in these media.	
(	Other or additional advantages <i>(describe and explain)</i> .	
		irks,"
a. <b>I</b>	All laser products, systems, shows, and projectors will be certified to comply with 21 CFR 1040.10 and the conditions of this variance are ported as required by 21 CFR 1002.10 AND 1002.11 using the reporting guides provided for such purpose. These actions will be accomplished prior to any introduction into commerce.	lliw br
b, l	I Effects not specifically indicated in this variance application will not be performed. No other effects will be added until an amendment to variance has been obtained and the required reports or supplements, as applicable, have been submitted.	the
с. [	I Scanning, projection, or reflection of laser and collateral radiation ( <i>Light show rediation</i> ) into audience or other accessible uncontrolled with not be permitted except for diffuse reflections produced by the atmosphere, added atmospheric scattering media, and target screen	ireas 5.
d. <b>[</b>	persons other than operators, performers, or employees are permitted to stand or 2.5 meters below or in lateral separation from any pl	Ce
ę.	Any product which relies on scanning to meet access, exposure, or product class limits will incorporate a scanning safeguard system vidently senses scanner motion and which will react fast enough to preclude exceeding the applicable limit.	nich
ſ. Į	All laser light shows shall be under the direct and personal control of trained, competent operator(s). The operator(s) will:	
	(1) Be an employee of the variance holder who will be responsible for the training and the conduct of the operator;	
	(2) Be located where all bearn paths can be directly observed at all times; and	
	(3) immediately terminate the emission of light show radiation in the event of any unsafe condition; or, for outdoor shows, upon request by any air traffic control officials.	
g. (	The maximum laser projector output power will not exceed the level required to obtain the intended effects.	
h. I		to
i. <b>I</b>		siralos
j. <b>I</b>	or borrow the equipment, adequate users' instructions for safe installation and operation which explain the responsibility of the recipier	as an
k. I	and performance of each show. These procedures will be in sufficient detail to ensure compliance with 27 CFR 1040.10, the conditions variance, and the control of access to radiation areas using the procedures described in the ANSIZ136.1 standard for the safe use of it (American National Standards Institute, 1430 Broadway, New York, NY 10018) or any other equivalent user consensus standard and, applicable, state or local requirements. Laser radiation areas which can contain radiation tevels above the limits specified in 21 CFR 10 will be clearly identified by the posting of warning signs and/or restricting access through physical means (such as pressure switches, cells, barriers, guards, etc.). These requirements apply to temporary areas (such as during set up and alignment procedures) and to fit permanent areas. The variance holder will retain the records of these procedures and the results of all tests as required by 21 CFR 10	of this sers /here 40.11(c hoto al or 2.31, A
	EXPLICATION OF THE PARTY OF THE	<ul> <li>☑ It is proposed to deviste from the provisions of 21 CPR 1040.11(c) as follows:</li> <li>☐ It is proposed to deviste from the provisions of 21 CPR 1040.11(c) as follows:</li> <li>☐ It is proposed to deviste from the provisions of 21 CPR 1040.11(c) as follows:</li> <li>☐ It is proposed to deviste from the provisions of 21 CPR 1040.11(c) as follows:</li> <li>☐ It is proposed to deviste from the provisions of 21 CPR 1040.11(c) as follows:</li> <li>☐ Other or additional additional street as accepted popular media in entertainment and the arts. Use of power levels in excess of the limits imposed by 21 CPR 1040.11(c) is micessary to active the required effects in these media.</li> <li>☐ Other or additional additional additional sheets as necessary. State any other means of indiation protection that will be used.)</li> <li>☐ All laser produces, systems, shows, and projectors will be certified to comply with 21 CPR 1040.10 and the conditions of this variance are be reported as required by 21 CPF 1000.10 AND 1002.11 using the reporting guides provided for such purpose. These additional will be accomplished prior to any introduction into commerce.</li> <li>☐ Effects not specifically indisated in this variance as placification will be observed to a provide a provide and the required reports or supplements, as applicable, have been submitted.</li> <li>☐ Effects not specifically indisated in this variance as placification will not be performed, be other effects will be added until an amendment to variance has been obtained and the required reports or supplements, as applicable, have been submitted.</li> <li>☐ Effects not specifically indisated in this variance as periodically indicated to the condition and will not be permitted as a part for diffuse reflections provided by the variance has been obtained and the required reports or supplements, as applicable, there been submitted.</li> <li>☐ Is assert registration levels in excess of the limits of Class I will not be</li></ul>

- I. Advance written notification will be made as early as possible to appropriate federal, state, and local authorities providing show itinerary with dates and locations clearly and completely identified, and a basic description of the proposed effects including a statement of the maximum power output intended, Such notifications will be made, but not necessarily be limited, to:
  - (1) The Center for Devices and Radiological Health, Office of Compliance (HFZ-342), 2098 Gailher Road, Rockville, MD 20850, providing the initial and closing dates for fixed installations and the itinerary for mobile shows. In addition, unless all aspects of each show have been reported and accession numbers clearly referenced, each notice will include detailed descriptions of each show and a listing of all effects to be performed in sufficient detail to confirm compliance with the regulations and this variance.
  - (2) The Federal Aviation Administration (FAA) for any projections into open airspace at any time (i.e., including set up, alignment, rehearsals, performances, etc.). If the FAA objects to any laser effects, the objections will be resolved and any conditions requested by FAA will be adhered to. If these conditions cannot be met, the objectionable effects will be deleted from the show
  - (3) State and local radiation control offices/agencies for all shows to be performed within their jurisdictions. All requirements of state and local law will be satisfied and any objections raised by local authorities will be resolved or the effects deleted. (A list of federal and state offices available from the Center for Devices and Radiological Health upon request.)

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Addendum to parts 13 sections I and J: All operators are to wear protective eyewear for appropriate wavelengths when appropriate, operators must be knowledgeable with laser safety and regulations as per local jurisdiction. In addition our lasers will only be used by authorized operators of our company.

## CERTIFICATION

I CERTIFY that all of the above information and statements are true, complete, and correct to the best of my knowledge and acknowledge that my variance application may be denied or my variance may be revoked if this application is found to be false, misleading or incorrect in any material way. I have submitted and will submit all reports required by 21 CFR 1002.10 and 1002.11 on the laser equipment and show(s). I further understand that I may be required by regulation or by the Director, Center for Devices and Radiological Health, to supply such other information of may be necessary to evaluate and act on this application.

15. SIGNATURE

Norther Transport

16. NAME (Type or Print)

Matthew E. Bryan

17. TITLE

Fullhouse Productions Owner/ Laseris

Public reporting burden for this collection of information is estimated to average .5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Food and Drug Administration CDR11 (HFZ-342) 2094 Gaither Road Rockville, MD 20850

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.